



**C1906, C1925, C19125,  
C1906/PP and C1925/PP  
Pre-wired Interconnecting  
Inverting Cables**

**Installation/Operation Manual  
C930M-E (12/95)  
Amended 1/96**

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## REVISION HISTORY

<b><u>Manual #</u></b>	<b><u>Date</u></b>	<b><u>Comments</u></b>
C930M	No date.	Original version.
C930M	8/90	Rev. A. Revised to include preset models C1906/PP and C1925/PP.
C930M	4/91	Rev. B. Figure 2 revised; Figure 2A added as an addendum.
C930M-C	1/95	Figures 2 and 2A (now Figure 3) revised to show correct pinouts for pins 17 and 18 on the 28-pin connector (pan/tilt functions). Also, Figures 1-3 revised to show new wire colors (see pins 5, 8, 11 and 13 on the 14- or 28-pin connector).
C930M-D	9/95	Rev. D. Revised wire colors for pins 11 and 13 on Figures 1-3.
C930M-E	12/95	Rev. E. Revised Figure 2, pin 17 and 18 colors and functions.

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**INSTALLATION AND OPERATION MANUAL  
MODELS C1906, C1925, C19125, C1906/PP,  
AND C1925/PP  
PRE-WIRED INTERCONNECTING  
INVERTING CABLES**

## **1.0 WARNINGS**

1. Installation and Servicing should only be done by Qualified Service Personnel.
2. The installation shall be done in accordance with all local and national electrical and mechanical codes utilizing only approved materials.
3. Unless the cable is specifically marked “WA” (for use in wet locations), the cable is designed for indoor use only and it must not be installed where exposed to rain and moisture.

## **2.0 SCOPE**

The information within this manual covers the installation and operation of the C1906, C1925, C19125, C1906/PP, and C1925/PP pre-wired interconnecting inverting cables.

Please thoroughly familiarize yourself with the information in this manual prior to installation and operation.

## **3.0 DESCRIPTION**

The C1906, C1906/PP, C1925, C1925/PP and C19125 are pre-wired cables designed for interconnecting Pelco's Coaxitron® receiver/driver with various Pelco domes or any inverted PT180-24P/PT280-24P pan/tilt application as listed below.

### **C1906, C1925, C19125**

Domes: ED2820, ED2820-3, ED2820-SL, ED2920, ED2920-SL, SB2800, SB2800-2, SB2800-SL, SB2800-SL-2, SB2801, SS3000, SS3002

Pan/Tilts: PT180-24P, PT180-24SL, PT280-24P, PT280-24SL

### **C1906/PP, C1925/PP**

Domes: ED2820-PP, ED2820SL/PP, ED2820-3SL/PP, SB2800/PP, SB2800-SL/PP

Pan/Tilts: PT180-24P/PP, PT280-24P/PP, PT280-24SL/PP

## **3.1 MODEL NUMBERS**

C1906	6 ft (1.83 m), pre-wired interconnecting inverting cable. (UL)
C1925	25 ft (7.62 m), pre-wired interconnecting inverting cable. (UL)
C19125	125 ft (38.1 m), pre-wired interconnecting inverting cable. (UL)
C1906/PP	6 ft (1.83 m), same as C1906 but for PP models. (UL)
C1925/PP	25 ft (7.62 m), same as C1925 but for PP models. (UL)

## 4.0 SPECIFICATIONS

### **ELECTRICAL**

Connectors:

Receiver side	CPC, 37 sockets
Pan/tilt side	CPC, 14 pins
	CPC, 28 pins (PP models)

Cable: 12 conductor with shield, 20 Awg  
RG59/U

### **GENERAL**

Cable length:

C1906	6 ft (1.83 m) long
C1925	25 ft (7.62 m) long
C19125	125 ft (38.1 m) long
C1906/PP	6 ft (1.83 m) long
C1925/PP	25 ft (7.62 m) long

Maximum Wire

Temperature: 140° F (60° C)

## 5.0 INSTALLATION

1. Run the cable from the Coaxitron® receiver/driver to the pan/tilt. Be careful not to abrade or cut the jacket on the cable since this could result in a short.
2. Connect the 37-pin CPC connector to the Coaxitron® receiver/driver.
3. Connect the 14-socket CPC connector (28-pin PP models) to the pan/tilt unit.
4. Operate the control unit and determine correct operation of the unit. If the unit fails to operate correctly, refer to the troubleshooting guidelines outlined in Section 7.0.

## 6.0 OPERATION

By using the controller, you should be able to control the pan and tilt functions of the pan/tilt and the focus, iris, and zoom functions of the motor operated lens.

### 6.1 SYSTEM TEST

Using the controller, operate the following functions and verify correct operation of each function:

1. Pan Left
2. Pan Right
3. Tilt Up
4. Tilt Down
5. Zoom Wide
6. Zoom Telephoto
7. Iris Open
8. Iris Closed
9. Focus Near
10. Focus Far

If all the above functions operate correctly, the installation process is complete. If all the above functions do not operate correctly, refer to Section 7.0, Troubleshooting Guidelines.

**For PP models** — check all of the above again using a set preset location.

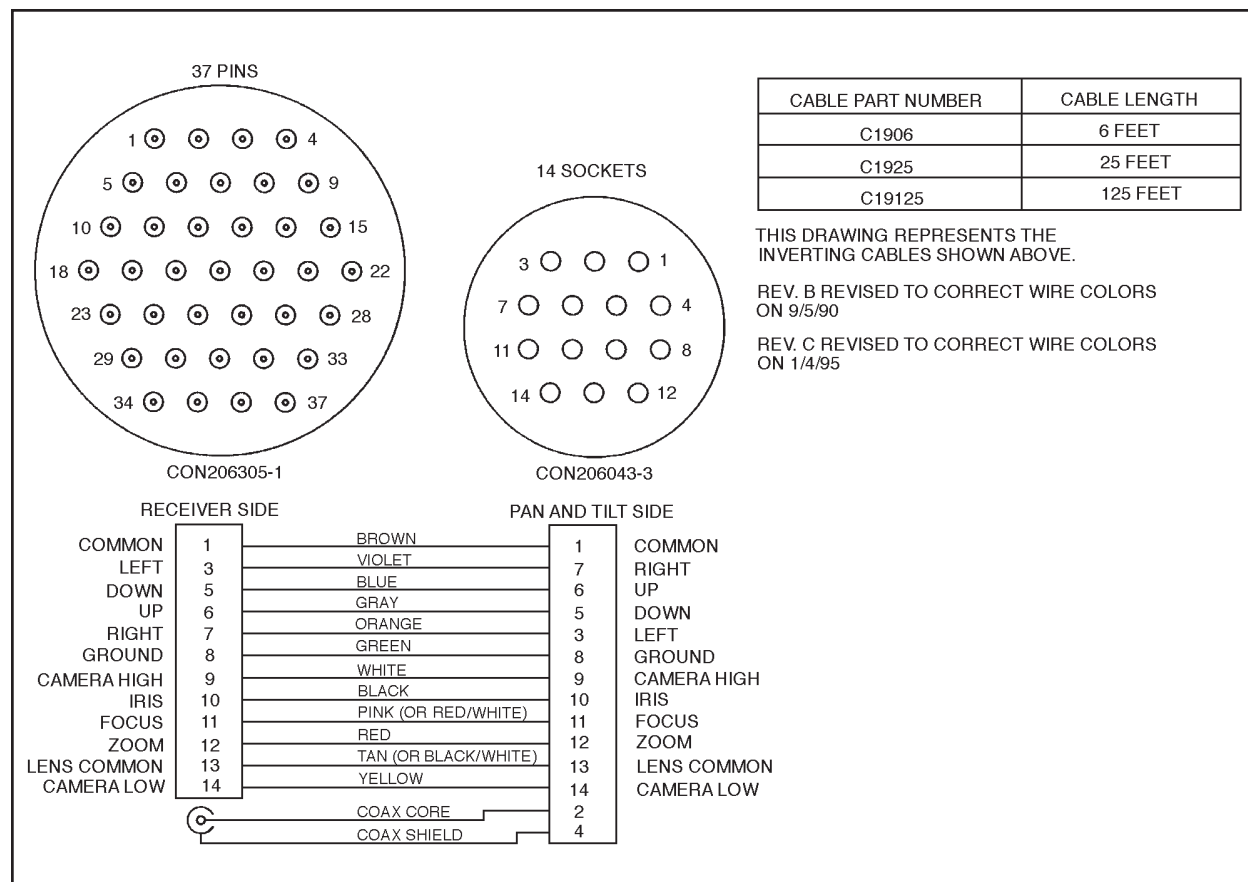
## 7.0 TROUBLESHOOTING GUIDELINES

1. If none of the functions in Section 6.1 operate correctly, check the connection of the CPC connectors to the Coaxitron® receiver/driver and pan/tilt.
2. If the connections are loose, tighten the lock ring on the CPC connectors and start the system test procedure in Section 6.1.
3. If the connections are tight, check the Coaxitron® receiver/driver to determine if it is operating correctly. If the Coaxitron® receiver/driver is operating correctly, there may be a problem with the cable and Pelco's Technical Assistance Program (TAP) should be contacted for further technical troubleshooting aid. To contact the TAP line, call **1-800-289-9100**.

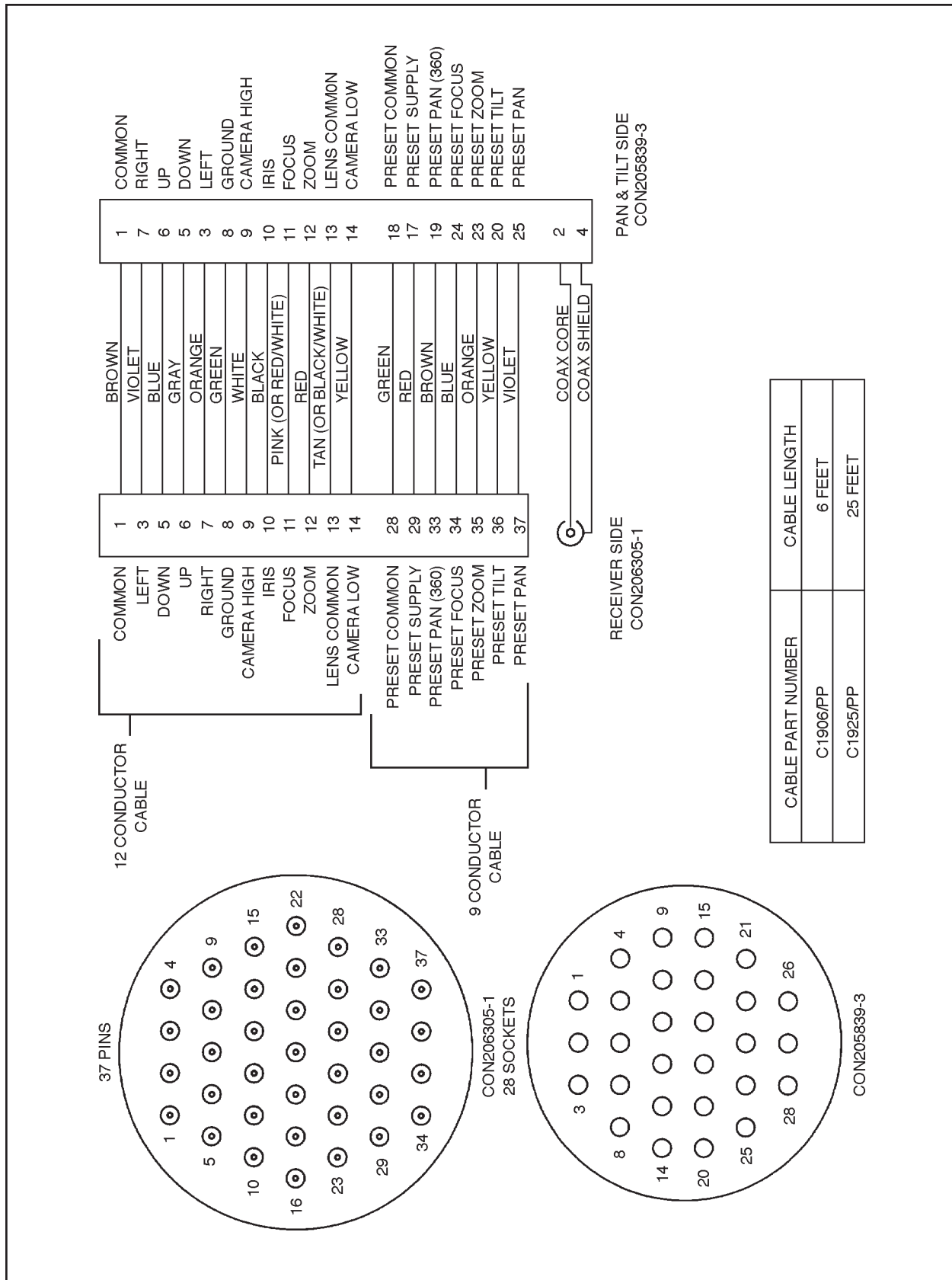
**NOTE:** These cables are designed for use in inverted applications. If you wish to modify the cable for upright operation, pins 3 and 7 (pan) and pins 5 and 6 (tilt) need to be reversed on the 14- or 28-pin connector (pan/tilt side). The problem can be corrected in the field with a CPC pin/socket extracting tool by simply exchanging the pins for these functions. If you do not have the necessary tool, contact Pelco for a R/A number to exchange the cable.

## 8.0 SCHEMATICS

Refer to Figures 1-3 for wiring diagrams of the pre-wired cables.



**Figure 1.** C1906, C1925, and C19125 Wiring Diagram



**Figure 2.** C1906/PP and C1925/PP Wiring Diagram

**Figure 3. C1906/PP and C1925/PP Wiring Diagram for Use with Upright Pan/Tilts Only**

## 9.0 WARRANTY AND RETURN INFORMATION

### WARRANTY

Pelco will repair or replace, without charge, any merchandise proved defective in material or workmanship for a period of one year after the date of shipment.

Exceptions to this warranty are as noted below:

- Five years on FT/FR8000 Series fiber optic products.
- Three years on Genex® Series products (multiplexers, server, and keyboard).
- Three years on Camclosure® and fixed camera models, except the CC3701H-2, CC3701H-2X, CC3751H-2, CC3651H-2X, MC3651H-2, and MC3651H-2X camera models, which have a five-year warranty.
- Two years on standard motorized or fixed focal length lenses.
- Two years on Legacy®, CM6700/CM6800/CM9700 Series matrix, and DF5/DF8 Series fixed dome products.
- Two years on Spectra®, Esprit®, ExSite™, and PS20 scanners, including when used in continuous motion applications.
- Two years on Esprit® and WW5700 Series window wiper (excluding wiper blades).
- Eighteen months on DX Series digital video recorders, NVR300 Series network video recorders, and Endura™ Series distributed network-based video products.
- One year (except video heads) on video cassette recorders (VCRs). Video heads will be covered for a period of six months.
- Six months on all pan and tilts, scanners or preset lenses used in continuous motion applications (that is, preset scan, tour and auto scan modes).

Pelco will warrant all replacement parts and repairs for 90 days from the date of Pelco shipment. All goods requiring warranty repair shall be sent freight prepaid to Pelco, Clovis, California. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

Pelco assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the Products. Pelco's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party or product liability, relating to the Products shall not exceed the price paid by the Dealer to Pelco for such Products. In no event will Pelco be liable for any special, incidental or consequential damages (including loss of use, loss of profit and claims of third parties) however caused, whether by the negligence of Pelco or otherwise.

The above warranty provides the Dealer with specific legal rights. The Dealer may also have additional rights, which are subject to variation from state to state.

If a warranty repair is required, the Dealer must contact Pelco at (800) 289-9100 or (559) 292-1981 to obtain a Repair Authorization number (RA), and provide the following information:

1. Model and serial number
2. Date of shipment, P.O. number, Sales Order number, or Pelco invoice number
3. Details of the defect or problem

If there is a dispute regarding the warranty of a product which does not fall under the warranty conditions stated above, please include a written explanation with the product when returned.

Method of return shipment shall be the same or equal to the method by which the item was received by Pelco.

### RETURNS

In order to expedite parts returned to the factory for repair or credit, please call the factory at (800) 289-9100 or (559) 292-1981 to obtain an authorization number (CA number if returned for credit, and RA number if returned for repair).

All merchandise returned for credit may be subject to a 20% restocking and refurbishing charge.

Goods returned for repair or credit should be clearly identified with the assigned CA or RA number and freight should be prepaid. Ship to the appropriate address below.

If you are located within the continental U.S., Alaska, Hawaii or Puerto Rico, send goods to:

Service Department  
Pelco  
3500 Pelco Way  
Clovis, CA 93612-5699

If you are located outside the continental U.S., Alaska, Hawaii or Puerto Rico and are instructed to return goods to the USA, you may do one of the following:

If the goods are to be sent by a COURIER SERVICE, send the goods to:

Pelco  
3500 Pelco Way  
Clovis, CA 93612-5699 USA

If the goods are to be sent by a FREIGHT FORWARDER, send the goods to:

Pelco c/o Expeditors  
473 Eccles Avenue  
South San Francisco, CA 94080 USA  
Phone: 650-737-1700  
Fax: 650-737-0933



### Pelco

300 West Pontiac Way, Clovis, CA 93612-5699  
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(Product specifications subject to change without notice.)

### C930M-D

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